

ABSTRACT

An aquarium comprises a tank and an excitation light source which is configured to emit light at a wavelength selected to be optimal for causing a transgenic ornamental fish to fluoresce, wherein the ornamental fish expresses one or more fluorescent proteins at a level sufficient such that said fish fluoresces upon exposure to the excitation light source. The aquarium may further comprise one or more of the following: a transgenic fluorescent fish, a second light source, gravel or other ornamental objects, a plant or a water conditioning system. The transgenic fluorescent fish may comprise one or more chimeric fluorescence genes encoding one or more fluorescent proteins.